

MENU

SEARCH

INDEX

DETAIL

JAPANESE

BACK

NEXT

4 / 16

## PATENT ABSTRACTS OF JAPAN

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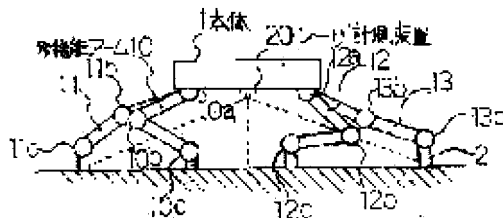
(21)Application number : 2000-360942 (71)Applicant : MITSUBISHI HEAVY IND LTD  
 (22)Date of filing : 28.11.2000 (72)Inventor : KAWASAKI SHUICHI

## (54) ROBOT VISUAL SENSE DEVICE

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a robot visual sense device capable of precisely recognizing a shape and a distance of an object around a robot.

SOLUTION: Four multifunctional arms 10 to 13 are provided on a robot body 1 and a laser measurement device 20 is provided on a bottom surface of the robot body 1. The laser measurement device 20 irradiates a laser beam downwardly in order to scan an X-Y plane in zigzag or spirally. The shape and the distance of the ground and the object are precisely recognized by the reflected wave taken into a control device of the robot body 1, which reflects on control of the multifunctional arms 10 to 13.



## LEGAL STATUS

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